emTube User Guide
V1.0.8

emTube Application User Guide

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1. Overview

emTube application allows you to search, download, manage favorites and view videos on YouTube.

2. Installation

A sis file (emTube_S60_3_0_v_1_0_2.sisx) is provided and it contains all files and additional libraries you will need to run **emTube**. There is no special version for N95 anymore. Instead **emTube** checks if an accelerometer is available and uses it if your phone has one.
To install **emTube** transfer the sis file to your phone and then follow the on-screen instruction.

3. Main view

The screenshot above shows the application after it has been started. From there you can:

- **Search** - search videos on YouTube.com. You will be asked to enter keywords. You can separate them with spaces.
- **Featured** - displays a list of “Featured videos” from YouTube.
- **Top rated** - displays a list of highly rated videos from YouTube,
- **Most watched** - a list of videos that have been watched most frequently on YouTube.
- **Saved videos –** a list of all videos user downloaded from YouTube.
- **Favorites** - displays a list of videos bookmarked by you.

Using the menu you can also open a local video file for a playback (“**Open local file**”) as well as access **Settings**.

4. Searching for videos

You can search for videos by keywords as well as use one of the predefined feeds (for example “**MOST VIEWED**”). Whichever option you select, you will see a list of results as shown on this screenshot:

Name of a video, its author as well as a preview image will be shown. Additional information will be drawn over the preview icon: the stars represent the current video ratings. If a particular video has been already added to your list of favorite videos there will be a small favorites icon drawn in the upper left corner. More information about the video can be obtained via the menu option “**Details**”:

The options in menu allow you to:

- Start “**New search**”.
- **“View”** a video. See “**Video playback**” for more information.
- “**Download**” a video. You will be asked to select a drive and a file's name.
- “**Add/Remove to/from favorites**”.
- Display a list of “**Related videos**”.
- Display a list of videos uploaded by user (“**User videos**”).

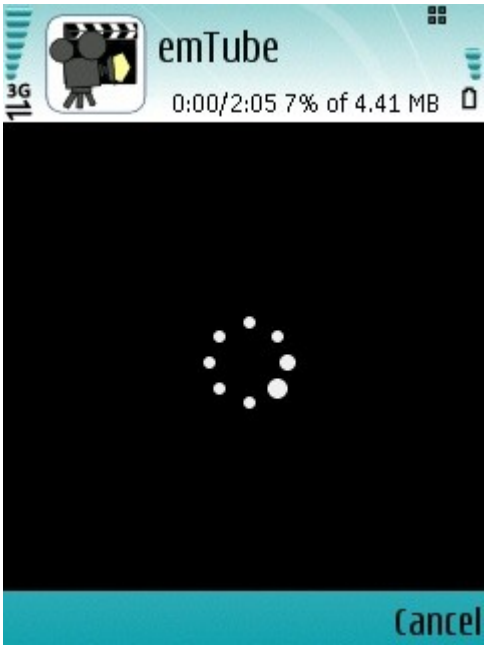
Additionally, you can access some of these options by pressing a center joystick button:

Functionality is exactly the same as corresponding options from normal menu.

Only 5 search results are presented to the user by default but it can be changed in “**Settings**”. You can access more results by pressing “**More videos**” at the bottom of the search results list:

5. Video playback

Whenever you open a local file or try to view a video directly form YouTube a video player view will be started. Local files are available for a playback immediately, while it may take a while before a remote file is ready:



Loading a video. The download percentage and file's size are shown on the navigation pane.

The video is ready to play. The download will continue in the background during the playback.

The navigation pane displays information about a video such as the current time and video duration, as well as a video's size (in MB) and how much of the video has been downloaded. The last information is only presented when a remote video is being played. Once the video is ready, you can start the playback either via menu ("**Play**") or by using the center joystick button. Other keys:

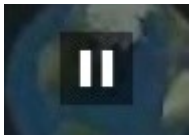
- Joystick left/right keys – changes the position within a file.
- Joystick up/down keys – changes the volume. The volume can be also changed by using "Volume" keys, if your phone is equipped with such keys.
- '1' key – switches between the normal and full screen (landscape) playback. Please note that on N95 this effect can be achieved simply by rotating your phone.
- '3' key – rewinds video to the beginning.
- '4' key – mutes/unmutes audio.

Information about a video is shown on the navigation pane during a normal playback, . In a full screen mode the information will be presented in OSD:

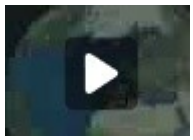
OSD position indicator. Shown during seeking.

OSD volume.

Another information shown on OSD is play/pause status. These icons are shown both in the normal and full screen mode:



OSD pause.



OSD play.

Via menu options you can also view video's properties (resolution, audio channels/sample rate, audio/video codecs) as well as save a remote video to a file using "**Save**" option. This option will be only available for remote videos, and these can be saved as soon as they have been downloaded completely.

6. Settings

You can access settings from any view in the program by accessing menu option "**Settings**".

- **Volume:** Allows you to set audio volume. This can be changed also during a playback using up/down or volume keys.
- **Start Video:** This option allows you to control the video player when playing videos directly from YouTube. When a video is ready for a playback it can be:
  - Started **manually** - this is a default behavior.
  - Started a**fter download finishes** when a whole video have been downloaded. Although it is possible to start it immediately, **emTube** will wait till the downloading process have been completed.
  - Start **as soon as possible**. **EmTube** will check if download speed is good enough to start a playback after part of a movie have been downloaded.
- **Max search results:** Number of videos returned in every search call. Default is 5.
- **Cache size:** Size (in kilobytes) of space used to store images and other data from YouTube. It doesn't include movies, only the data used to search for videos.
- **Autorotate: D**isables and enables an accelerometer support for switching between the portrait and the landscape mode. This setting item is ignored if your phone isn't

equipped with an accelerometer.
- **Temp memory**: Defines which memory should be used for storing a temporary video file while playing the video directly from YouTube. Phone memory is default because it is much faster than a memory card.

7. Contacting author

You can contact the author via email, the address is: elf@frogger.rules.pl

8. Known issues

- A video playback may be slowed down when a video hasn't been completely downloaded but the user has already started a playback. This issue has been addressed in 1.0.3 release, but wasn't verified to be fixed.

9. Future releases

- Video uploading.
- Reading and adding comments to videos.
- More audio/video codecs. At the moment only H263 video and MP3 audio codecs are supported.
- Speed optimizations. Currently **emTube** player is fast enough on N95/N93/N93i/E65 and newer devices but there may be problems with a real time playback on older devices.
- DailyMotion support.

10.Acknowledgment

- tinyxml Copyright © 2000-2006 Lee Thomason. http://sourceforge.net/projects/tinyxml/
- libavcodec/libavutil Copyright © ffmpeg team. http://ffmpeg.mplayerhq.hu/

11.History

- 1.0.0 – Initial release.
- 1.0.4 -
  - **New:** Created one binary for all phones, functionality is the same. Application will use the accelerometer if possible.
  - **Fixed:** Search queries now accept national characters (for example Chinese).
  - **Fixed:** Settings are now correctly saved when a user exits settings' view.
  - **Fixed:** Application would freeze when a user presses “Back” while a movie is played.
  - **Fixed** the "unknown/unsupported file format" problem.
  - **Fixed** problems with audio decoding on some phones (for example N76).
  - **Fixed** several bugs in a search view, **emTube** shouldn't crash while video browsing anymore.
  - **New:** When saving a video its YouTube title is used as an initial file name. It still can be changed in a file selection box..
  - **New: emTube** now remembers the last path used to load or save video files.
  - **New:** Added Italian translation (by Enrico Santagati).
  - **New:** Added flv recognizer.

    - **New:** Added 2 new settings items: autorotate and temp drive selection.
- 1.0.6 -
    - **New:** Added French, Turkish, German, Lithuanian, Hungarian and Danish translations.
    - **New:** Added two new keys in player view: 3 - rewinds video and 4 - mutes audio.
    - **New:** Added "User defined" option to the max search results, it allows to enter any value from 1 to 999.
    - **New:** Added “User video” and “Related videos” options to the play view. It is now possible to display list of related/user videos without going back to the search results list.
    - **New:** Seek bar on full screen now shows how much of the video has been downloaded (using red color).
    - **New: emTube** now remembers position on the search results list when user finishes watching video and goes back to this list.
    - **New:** Added muted audio icon. In both normal and full screen mode.
    - **Fixed:** Several bugfixes that improve application stability.
    - **Fixed:** Access point selection dialog now shows BT access points, so it should be possible to use **emTube** if user connects to the internet via GnuBox.
    - **Fixed:** Audio volume handling, was set to 0 even if there was one bar visible.
    - **Fixed:** OSD pause indicator was sometimes visible during playback.
    - **Fixed:** Video titles are not correctly scrolled using marquee effect on search results list.
    - **Fixed: emTube** is now compatible with rotateMe 2.0
- 1.0.8
    - **New:** Added "Saved videos" feature, all videos saved/downloaded from youtube are visible there. It also allows to delete or rename videos.
    - **New:** Added "view by ID" option, an url to a youtube video or just an ID of a video can be entered and video will be played.
    - **New:** Added Arabic, Danish, Slovak, Romanian and Polish translations.
    - **Fixed:** Thumbnail images were not loaded in some rare circumstances.
    - **Fixed:** Unmute (key '4') wasn't working as expected.
    - **Fixed:** Changed the audio mute icon on navipane, black wasn't visible on some skins.
    - **Fixed:** Display code has been optimized, **emTube** should be a bit faster on most phones.
    - **Fixed:** Optimized video downloading, shouldn't slow down video playback that much anymore.